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Space Shuttle Program

Space Shuttle Program Payload Document Enhancement Project

- Shuttle Program will need new payloads to fill the manifest in the future
- Feedback from potential payload customers:
 - Shuttle document set is cumbersome and hard to understand



Space Shuttle Program Payload Document Enhancement Project

- ELV Programs are easier to deal with
 - Simpler documentation
 - Less data requirements



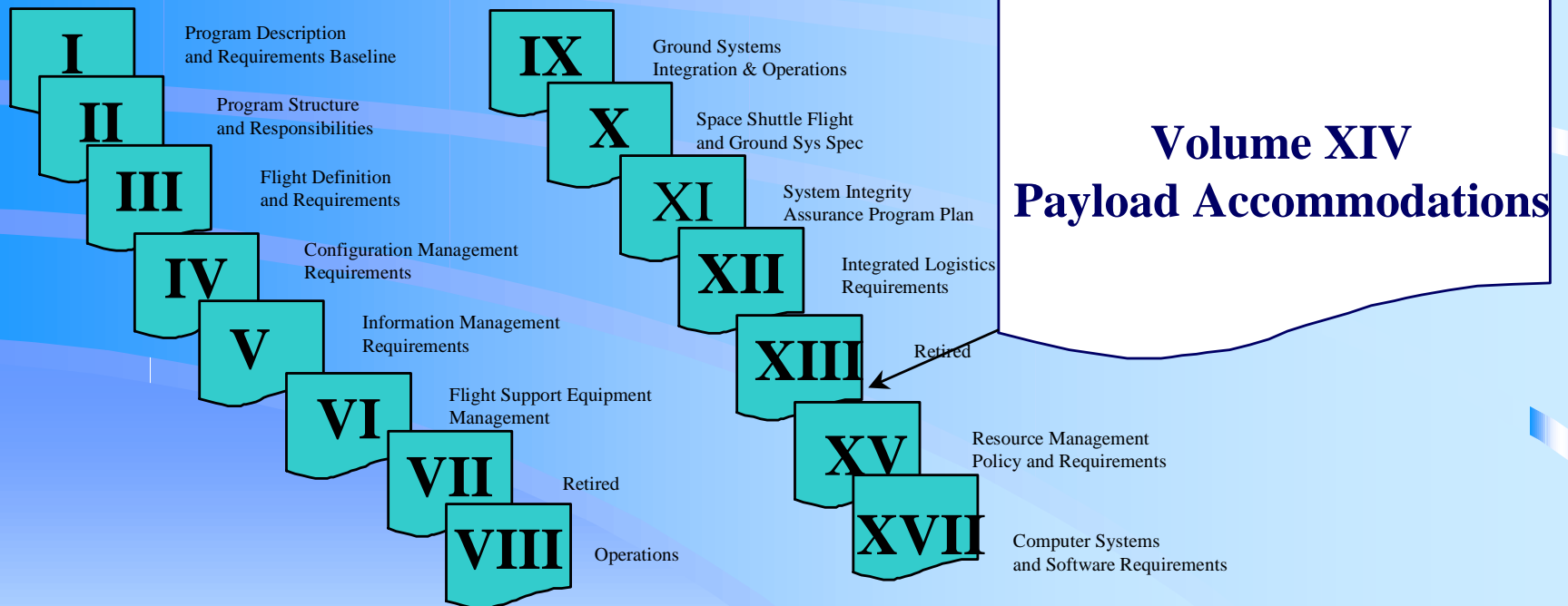
Space Shuttle Program Payload Document Enhancement Project

- In late 1998 a team was formed to recommend enhancement to the payload documentation system
 - NASA
 - United Space Alliance

Space Shuttle Program Payload Document Enhancement Project

- Recommendations include
 - Complete review of NSTS 07700, Volume XIV

Space Shuttle Program Payload Document Enhancement Project Program Definition and Requirements NSTS 07700



Space Shuttle Program Payload Document Enhancement Project

- Recommendations include
 - Complete review of NSTS 07700, Volume XIV
 - Reduce amount of required documentation

Space Shuttle Program Payload Document Enhancement Project

- Near Term
- NSTS 07700 Volume XIV remains at the top of the official payload documentation tree
- Contents of Volume XIV and 10 Appendixes streamlined and updated

Space Shuttle Program Payload Document Enhancement Project

- A series of user's guides provide overview tailored for major classes of payloads

**Vol. XIV &
Appendixes**

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**Deployable/
Retrievable
User Guide**

**Middeck
User Guide**

**Attached
User Guide**

**Small Payload
User Guide**

Space Shuttle Program Payload Document Enhancement Project

- Access control enhanced to allow viewing of program documentation by a broader audience while still limiting access to payload unique data

Space Shuttle Program Payload Document Enhancement Project

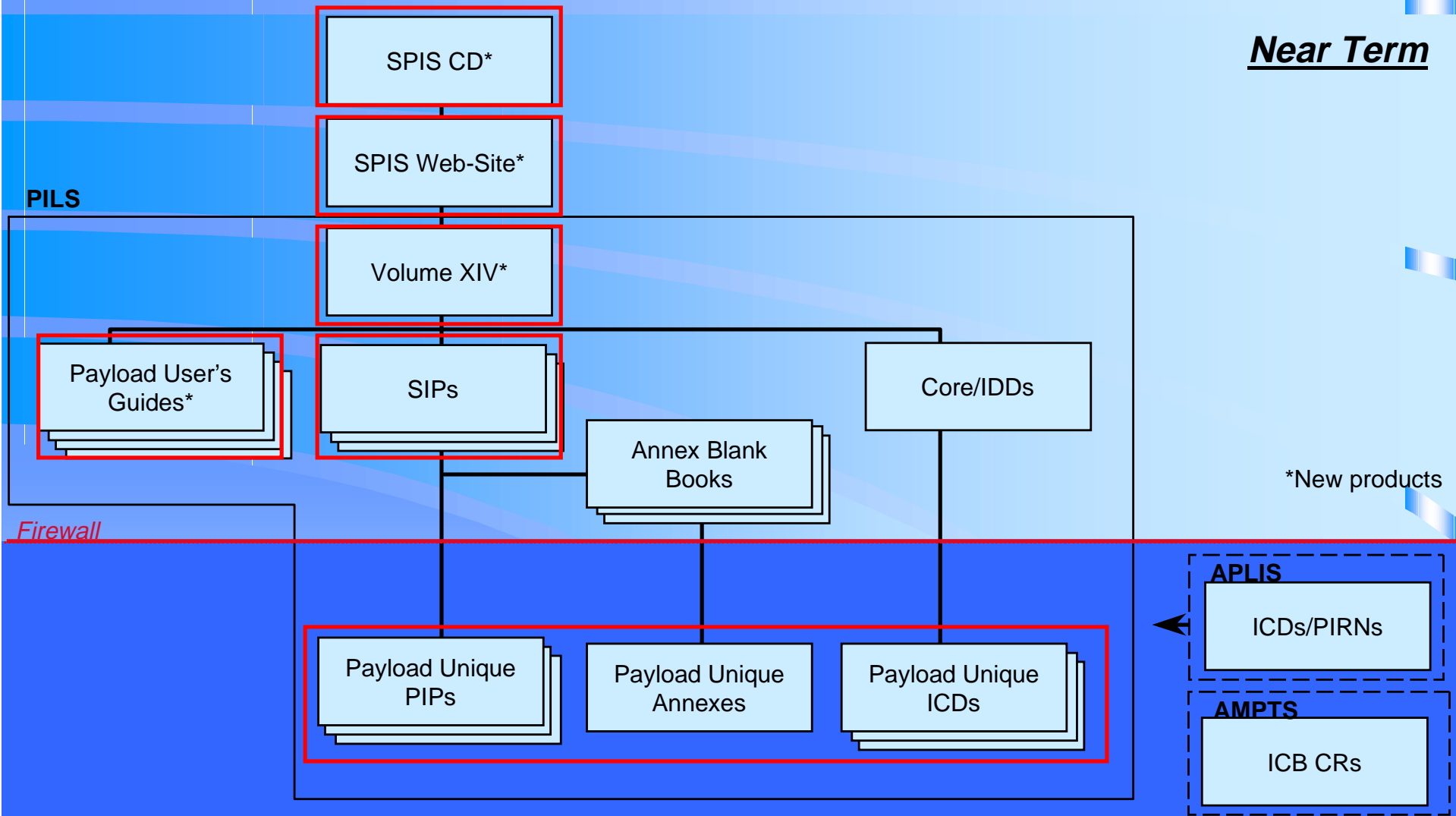
- Near Term cont.
- Develop a compact disk (CD) as a familiarization tool for payload customers
- Interactive tool that makes use of today's multimedia capabilities to organize and deliver data in an easy to follow format
- Conceptual overview of integration process at a level that will remain relatively static

Space Shuttle Program Payload Document Enhancement Project

- Build a payload information web site
 - Design web site to stand alone or work in conjunction with CD
- Organize instructional material and data to direct payload customer through the integration process

Space Shuttle Program Payload Document Enhancement Project

Near Term





This site is a joint effort of NASA and United Space Alliance



Help



Search



Links



Feedback



SPACE SHUTTLE
PAYLOAD
INFORMATION
SOURCE



[Download a Space Shuttle screensaver!](#)

Space Shuttle Program Payload Document Enhancement Project

- Long Term
- All document management and change processing performed within a single system for the PIP's, ICD's, and Volume XIV
 - Electronic routing and approval with a common process/interface for all types of change paper
 - Central repository for all Shuttle documents

Space Shuttle Program Payload Document Enhancement Project

- Long Term cont.
- Use of data submittals from payload customers to build customer requirement documentation
- Query system that would allow the building of customer unique documentation

Space Shuttle Program Payload Document Enhancement Project

- **Summary**
 - The goal is to build a documentation system
- **Customer Friendly**
- **Accessible**
- **Educational**

